Total No. of Questions : 18

B.Tech.(CSE) (2011 Onwards E-II)   (Sem.–7,8)
SOFTWARE PROJECT MANAGEMENT
Subject Code : BTCS-907
M.Code : 71899

Time : 3 Hrs.   **Max. Marks : 60**

INSTRUCTION TO CANDIDATES :
1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

Write briefly :

1) COCOMO2

2) PERT and CPM

3) Software Project Management

4) Test Automation

5) ISO

6) Explain the use of Gantt Charts in Scheduling with an example.

7) What options do we have when defining the structure of a software team? Explain in detail.

8) Explain the Nominal Group Technique and its use.

9) Discuss various effects of schedule compression.

10) Discuss the importance of ethics in a project.

SECTION-B

11) Give the difference between product-oriented deliverables and project-oriented deliverables.

12) Explain the steps required to build a Work Breakdown Structure.

13) Describe five software application areas in which software safety and hazard analysis would be a major concern. Also, discuss how each can be tackled?

14) What do you mean by critical path analysis? Explain with the help of suitable example.

15) What factors need to be considered to organize any software team? How to assign the right task to the right person?

SECTION-C

16) What is the project budget? Explain different steps in cost estimation. What are the different types of cost need to be considered in cost estimation?

17) As a training manager, you are responsible for the initial programming language training of a new graduate intake to your company whose business is the development of defense aerospace systems. The principal programming language used is Ada, which was designed for defense systems programming. The trainees may be computer science graduates, engineers or physical scientists. Some but not all of the trainees have previous programming experience; none have previous experience in Ada. Explain how you would structure the programming training for this group of graduates.

18) What are the various types of contracts? Discuss various stages in contract placement. Explain contract management with the help of examples.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.